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Functional & Evolutionary Entomology

Agriculture Is Life
Des résidus de pesticides dans les fraises vendues en France

Le Monde.fr | 10.07.2013 à 18h42 • Mise à jour le 10.07.2013 à 18h42
Par Paul Benkimon

17/07/2014

Over 60% of breads sold in the UK contain pesticide residues, tests show

Pesticides

mardi 12 mai 2015

La Libre.be

12/03/2015

Des résidus de pesticides dans près de la moitié des aliments européens

Greenpeace warnt vor Pestiziden

Zu viel Obst ungesund
“Some epidemiological studies allowed to identify relations between the occurrence of some diseases and exposition to pesticides”

“Risings of significant risks for various pathologies have been linked to exposure to pesticides”
A review of the direct and indirect effects of neonicotinoids and fipronil on vertebrate wildlife

David Gibbons · Christy Morrissey · Pierre Mineau
Biological pest control
Alternative food
- Nectar
- Pollen
- Preys

Shelter
- Less disturbed
- Less sprayed
- Species diversified
And if wildflowers supported pests?
17 wildflower species

April → June 2014

Emptied and refilled once a week

Wildflower strips

Oilseed rape

Yellow pan trap
Anova (P<0.05)

Meligethes spp.

Ceutorhynchus spp.

Psylliodes chrysocephalla
**Meligethes spp.**

104,000 indv. trapped

**1st generation** pupation **2nd generation**

Anova (P<0.05)

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![Graph showing the mean number of Meligethes spp. per trap over time, comparing wildflower strips and oilseed rape.](image_url)
Ceutorhynchus spp.

35,000 indv. trapped

Anova (P<0.05)

Rippening stage of oilseed rape

Mean per trap

Wildflower strips
Oilseed rape

April 16th, April 23rd, April 30th, May 7th, May 14th, May 21st

May 28th, June 4th, June 11th, June 18th, June 25th

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35,000 indv. trapped
Psylliodes chrysocephallla
128 indv. trapped

Very few adults were trapped

Usually occurred in autumn
Crops remained more attractive than wildflowers at adult peaks

Pest populations remained low in flower strips (no Brassicae sp.)
Biological pest control?
With the collaboration of

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